

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2014 Levee Inspection Results****Reclamation District No. 0404 Boggs**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/01/2014 - 04/01/2014			
DWR Inspector	Richard Willoughby			
Accompanied By	Bob Winter KSN			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD0404_01_s _ 2013_24				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	25
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD0404_01_s _ 2013_25				
Action/Comments					

No Photos

LM Start	0.00	Rating **	M	Issue No.	26
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD0404_01_s _ 2013_26				
Action/Comments					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	35
LM End	2.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				° 37.920683 °
					° -121.318953 °
DWR ID	DWR_RD0404_01_s _ 2014_35				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	34
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				37.920319 °
					-121.318330 °
DWR ID	DWR_RD0404_01_s _ 2014_34				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	36
LM End	2.36	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.935871 °	°
				-121.330795 °	°
DWR ID	DWR_RD0404_01_s _ 2014_36				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.21	Rating **	U	Issue No.	1
LM End	0.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939480 °	37.939480 °
				-121.342730 °	-121.342730 °
DWR ID	DWR_RD0404_01_s _ 2014_1				
Action/Comments					
Inspector Comments: 08/13/2013: The boat survey found the erosion has progressed significantly in size and in number of pocket erosions. 08/07/2012: The site has been visited by boat survey. The erosion has developed in size, and more pocket erosions were found. 8/23/2011: Pockets erosions observed by last survey seem to have progressed during the last flood season. Continuous monitoring of this site suggested 9/07/2010: No significant change observed on site. There is emergent vegetation at the water line. Several pocket erosions lined along the lower slope that stretches from RM 40.86 to RM 41.14. 9/30/2009: No major change observed; the site was combined with other existing sites are RM's 40.93, 40.98, and 41.14 as one site; several pocket erosion just above non-uniform toe rip rap; previously rated "U"; bare spots along the upper slope. 2008: Possibly caused by wave wash erosion; several pocket erosion along the lower slope; site is inside of a bend. 2006: Visited site 09/12/06. [2013 Site ID:RD0404U01RM40.86]					

Photo 1 of 1 : richard_s_20140320_030.jpg



Front view of the site.

LM Start	0.30	Rating **	U	Issue No.	105
LM End	0.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.939420 °	37.939420 °
				-121.341643 °	-121.341643 °
DWR ID	DWR_RD0404_01_s _ 2012_105				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion appears to have increased in size.					

Photo 1 of 4 : richard_s_20140320_056.jpg



Looking northwest at toe erosion on waterside.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.30	Rating **	U	Issue No.	105 (cont)
LM End	0.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.939420 °	37.939420 °
				-121.341643 °	-121.341643 °
DWR ID	DWR_RD0404_01_s _ 2012_105				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: Erosion appears to have increased in size.					

Photo 2 of 4 : richard_s_20140320_057.jpg



Looking east at erosion on slope and toe of levee.

LM Start	0.30	Rating **	U	Issue No.	105 (cont)
LM End	0.30	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : richard_s_20140320_058.jpg



Looking south at erosion on waterward slope. 2013

LM Start	0.30	Rating **	U	Issue No.	105 (cont)
LM End	0.30	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : richard_s_20140320_059.jpg



Looking south at erosion on waterward slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.34	Rating **	U	Issue No.	18
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939228 °	37.939228 °
				-121.340786 °	-121.340786 °
DWR ID	DWR_RD0404_01_s _ 2014_18				
Action/Comments					
Inspector Comments: 08/13/2013: The pocket erosion is located at					

Photo 1 of 1 : richard_s_20140320_044.jpg



Looking at the erosion site from upstream.

LM Start	0.44	Rating **	M	Issue No.	5
LM End	0.44	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.939635 °	37.939635 °
				-121.339063 °	-121.339063 °
DWR ID	DWR_RD0404_01_s _ 2013_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: One large rodent hole located on levee crown and several rodent holes also located in this area. District grouted hole, but hole was not fully grouted.					

Photo 1 of 3 : richard_s_20140320_032.jpg



Looking at rodent hole on levee crown.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.44	Rating **	M	Issue No.	5 (cont)	
LM End	0.44	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			37.939635 °	37.939635 °	
				-121.339063 °	-121.339063 °	
DWR ID	DWR_RD0404_01_s _ 2013_5					
Action/Comments						
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: One large rodent hole located on levee crown and several rodent holes also located in this area. District grouted hole, but hole was not fully grouted.						

Photo 2 of 3 : richard_s_20140320_033.jpg



Looking at partially grouted rodent hole on levee crown

Photo 3 of 3 : richard_s_20140320_034.jpg



Looking at one of several rodent holes on levee crown.

LM Start	0.44	Rating **	M	Issue No.	5 (cont)
LM End	0.44	Issue Type +	Ma	Location *	CR

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.45	Rating **	M	Issue No.	104
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.939627 °	37.939627 °
				-121.338808 °	-121.338808 °
DWR ID	DWR_RD0404_01_s _ 2012_104				
Action/Comments					
Remove the wild growth other than native grasses from the levee					

Photo 1 of 3 : richard_s_20140320_053.jpg



Looking northwest at bamboo on waterside toe.

LM Start	0.45	Rating **	M	Issue No.	104 (cont)
LM End	0.45	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : richard_s_20140320_054.jpg



Looking southwest at bamboo on waterward slope and toe.

LM Start	0.45	Rating **	M	Issue No.	104 (cont)
LM End	0.45	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : richard_s_20140320_055.jpg



Looking west at bamboo on waterward slope. 2013

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.48	Rating **	U	Issue No.	19
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939190 °	37.939190 °
				-121.338280 °	-121.338280 °
DWR ID	DWR_RD0404_01_s_2014_19				
Action/Comments					
Inspector Comments: 08/13/2013: No significant change at this site.					

Photo 1 of 1 : richard_s_20140320_045.jpg



A closer view at the site. Note the protected bank downstream and upstream of the erosion.

LM Start	0.49	Rating **	M	Issue No.	10
LM End	0.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.939640 °	37.939640 °
				-121.338175 °	-121.338175 °
DWR ID	DWR_RD0404_01_s_2014_10				
Action/Comments					
Inspector Comments: FS_ID:12404					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments:					
FIELD_STRUCT_DESC: 2 of 2. Two 36-inch corrugated metal drainage pipes. One pipe has broken flap gate.					
FS Date: 3/26/2013					

Photo 1 of 2 : UCIP_614.jpg



WS- closer view of right CM pipe with damaged flap gate

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.49	Rating **	M	Issue No.	10 (cont)	
LM End	0.49	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.939640 °	37.939640 °	
				-121.338175 °	-121.338175 °	
DWR ID	DWR_RD0404_01_s _ 2014_10					
Action/Comments						
Inspector Comments: FS_ID:12404						
EP_NO: N/A						
Repair Type:						
Crossing Status:						
UCIP Comments:						
FIELD_STRUCT_DESC: 2 of 2. Two 36-inch corrugated metal drainage pipes. One pipe has broken flap gate.						
FS Date: 3/26/2013						

Photo 2 of 2 : UCIP_616.jpg



WS- two CM pipes with damaged flap gates

LM Start	0.49	Rating **	M	Issue No.	11
LM End	0.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.939640 °	37.939640 °
				-121.338175 °	-121.338175 °
DWR ID	DWR_RD0404_01_s _ 2014_11				
Action/Comments					
Inspector Comments: FS_ID:12403					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments:					
FIELD_STRUCT_DESC: 1 of 2. Two 36-inch corrugated metal drainage pipes. One pipe has broken flap gate.					
FS Date: 3/26/2013					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.60	Rating **	U	Issue No.	20
LM End	0.62	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939133 °	37.939133 °
				-121.336100 °	-121.336100 °
DWR ID	DWR_RD0404_01_s _ 2014_20				
Action/Comments					
Inspector Comments: 08/13/2013: No significant change at this site. 08/07/2012: The site was first discovered by levee inspector in the spring inspection. Levee slope was protected with broken concrete blocks, but those blocks have been washed away during high flows. [2013 Site ID:RD0404U01RM41.22]					

Photo 1 of 1 : richard_s_20140320_046.jpg



Front view of the erosion. Note the slumping at upper slope.

LM Start	0.66	Rating **	M	Issue No.	27
LM End	0.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID	DWR_RD0404_01_s _ 2014_27				
Action/Comments					
Inspector Comments: FS_ID:12384					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Steel intake structure on LS.					
FIELD_STRUCT_DESC: 1 of 3. 30-inch CM pipes through levee, 22.0					
feet below the crown. Waterward end with damaged flap gates. Steel					
intake structure on landside. On waterside, middle flap gate missing					
and right flap gate broken as of 1/24/07.					
FS Date: 3/26/2013					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.66	Rating **	M	Issue No.	28
LM End	0.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID	DWR_RD0404_01_s_2014_28				
Action/Comments					
Inspector Comments: FS_ID:11087					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Steel intake structure on landside of the levee.					
FIELD_STRUCT_DESC: 2 of 3. 30-inch pipes through levee, 22.0 feet below the crown. Waterward end with flap gates. Landward end filled with dirt. Steel intake structure on landside of the levee. Middle flap gate missing and right flap gate broken as of 1/24/07.					
FS Date: 3/26/2013					

Photo 1 of 2 : UCIP_593.jpg



LS- intake structure

Photo 2 of 2 : UCIP_594.jpg



WS- CM pipes with damaged flap gates

* Location		** Rating		+ Issue Type	
LS : Land Side		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.66	Rating **	M	Issue No.	29
LM End	0.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID	DWR_RD0404_01_s _ 2014_29				
Action/Comments					
Inspector Comments: FS_ID:12383					

No Photos

LM Start	0.67	Rating **	M	Issue No.	6
LM End	0.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.938583 °	37.938583 °
				-121.335258 °	-121.335258 °
DWR ID	DWR_RD0404_01_s _ 2013_6				
Action/Comments					
Garbage Inspector Comments: Wooden board dumped on landside slope.					

Photo 1 of 1 : richard_s_20140320_035.jpg



Looking northeast at wooden boards on landward slope.

LM Start	0.75	Rating **	M	Issue No.	7
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.937758 °	37.937758 °
				-121.334149 °	-121.334149 °
DWR ID	DWR_RD0404_01_s _ 2012_7				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : richard_s_20140320_036.jpg



Looking southeast at elderberry on landside slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.76	Rating **	M	Issue No.	30
LM End	0.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.937657 °	37.937657 °
				-121.334158 °	-121.334158 °
DWR ID	DWR_RD0404_01_s_2014_30				
Action/Comments					
Inspector Comments: FS_ID:11188					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Tilted headwall on WS. Partially burried flap gate					
FIELD_STRUCT_DESC: 42-inch CM drainage pipe through levee 18.0					
feet below crown. Flap gate, concrete headwall and spillway on the					
waterward side. Pumphouse on landward side. O&M #: SJR 001					
FS Date: 3/26/2013					

Photo 1 of 1 : UCIP_590.jpg



LS- pumping plant over large concrete riser

LM Start	0.78	Rating **	M	Issue No.	8
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.937395 °	37.937395 °
				-121.333883 °	-121.333883 °
DWR ID	DWR_RD0404_01_s_2013_8				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Trees blocking view of slope.					

Photo 1 of 1 : richard_s_20140320_037.jpg



Looking southeast at dense trees on landward slope and toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.89	Rating **	M	Issue No.	17
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				°
					°
DWR ID	DWR_RD0404_01_f_2012_17				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	0.96	Rating **	A/W	Issue No.	2
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.935990 °	37.935990 °
				-121.331600 °	-121.331600 °
DWR ID	DWR_RD0404_01_s_2012_2				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	1.04	Rating **	M	Issue No.	3
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				°
					°
DWR ID	DWR_RD0404_01_f_2013_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.08	Rating **	M	Issue No.	102
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.935358 °	37.935358 °
				-121.329645 °	-121.329645 °
DWR ID	DWR_RD0404_01_s _ 2012_102				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.10	Rating **	M	Issue No.	4
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments				°
					°
DWR ID	DWR_RD0404_01_f _ 2013_4				
Action/Comments					
Inspector Comments: Concrete rubble with rebar should be removed.					

Photo 1 of 1 : richard_s_20140320_031.jpg



Looking southwest at concrete rubble with rebar on waterward slope.

LM Start	1.20	Rating **	M	Issue No.	101
LM End	1.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.934058 °	37.934058 °
				-121.328188 °	-121.328188 °
DWR ID	DWR_RD0404_01_s _ 2012_101				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : richard_s_20140320_052.jpg



Looking southeast at overhanging trees on landside slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.21	Rating **	A/W	Issue No.	12
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0404_01_f_2013_12				
Action/Comments					
Garbage					
Inspector	Comments: Old concrete pipes on landside slope should be removed.				

Photo 1 of 2 : richard_s_20140320_038.jpg



Looking southeast at old broken concrete pipes on landward slope and toe.

LM Start	1.21	Rating **	A/W	Issue No.	12 (cont)
LM End	1.21	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : richard_s_20140403_505.jpg



Looking east at broken concrete and concrete pipes on landward slope.

LM Start	1.36	Rating **	M	Issue No.	100
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.931945 °	37.931945 °
				-121.327150 °	-121.327150 °
DWR ID	DWR_RD0404_01_s_2012_100				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.57	Rating **	C	Issue No.	9
LM End	1.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.928723 °	37.927945 °
				-121.327207 °	-121.325933 °
DWR ID	DWR_RD0404_01_s _ 2012_9				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: This section has been degraded due to construction.					

No Photos

LM Start	1.58	Rating **	M	Issue No.	31
LM End	1.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.928718 °	37.928718 °
				-121.327206 °	-121.327206 °
DWR ID	DWR_RD0404_01_s _ 2014_31				
Action/Comments					
Inspector Comments: FS_ID:12386					
EP_NO: 15562					
Repair Type:					
Crossing Status:					
UCIP Comments: According to Bob Winter of KSN/LMA representative.					
Fiber optics cable goes through levee. No sign/indicators found. And					
photos not taken.					
FIELD_STRUCT_DESC: 4-inch steel pipe with fiber optics					
communication cable through levee. Cable Crosses the channel.					
(Permit No. 15562-1991). The pipe is 34 feet below the levee crown.					
FS Date: 3/26/2013					

Photo 1 of 1 : UCIP_601.jpg



Aerial Photo @HLM=1.5791: No sign posts/markers found.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.58	Rating **	C	Issue No.	15
LM End	1.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0404_01_f_2012_15				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limb on landside slope and toe.					

No Photos

LM Start	1.65	Rating **	M	Issue No.	32
LM End	1.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.928090 °	37.928090 °
				-121.326215 °	-121.326215 °
DWR ID	DWR_RD0404_01_s_2014_32				
Action/Comments					
Inspector Comments: FS_ID:11163					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Abandoned crossing. WS pipe capped with steel pipe and LS pipe cut.					
FIELD_STRUCT_DESC: Abandoned 14-inch irrigation pipe. 3.0 feet below levee crown.					
FS Date: 3/26/2013					

Photo 1 of 1 : UCIP_606.jpg



LS- concrete standpipe on levee slope

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.67	Rating **	C	Issue No.	14
LM End	1.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				°
					°
DWR ID	DWR_RD0404_01_f_2012_14				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	1.81	Rating **	M	Issue No.	33
LM End	1.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.926168 °	37.926168 °
				-121.324514 °	-121.324514 °
DWR ID	DWR_RD0404_01_s_2014_33				
Action/Comments					
Inspector Comments: FS_ID:12387					

Photo 1 of 1 : UCIP_609.jpg



WS- slanted pump, pipe, and concrete steps on levee slope.

LM Start	1.84	Rating **	A/W	Issue No.	21
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.925855 °	37.925735 °
				-121.324247 °	-121.324153 °
DWR ID	DWR_RD0404_01_s_2013_21				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.98	Rating **	U	Issue No.	22
LM End	1.98	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.924082 °	37.924082 °
				-121.323178 °	-121.323178 °
DWR ID	DWR_RD0404_01_s _ 2013_22				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limb on waterward slope.					

Photo 1 of 2 : richard_s_20140320_047.jpg



Looking south at broken tree branch on waterward shoulder and slope.

LM Start	1.98	Rating **	U	Issue No.	22 (cont)
LM End	1.98	Issue Type +	En	Location *	WS

Photo 2 of 2 : richard_s_20140320_048.jpg



Looking southwest at fallen tree limb on waterward slope. 2013

LM Start	1.98	Rating **	A/W	Issue No.	99
LM End	1.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.924055 °	37.924055 °
				-121.323195 °	-121.323195 °
DWR ID	DWR_RD0404_01_s _ 2012_99				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : richard_s_20140320_051.jpg



Looking southwest at dense trees on waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.99	Rating **	M	Issue No.	98
LM End	1.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.923817 °	37.923817 °
				-121.323130 °	-121.323130 °
DWR ID	DWR_RD0404_01_s _ 2012_98				
Action/Comments					
Tree or limb					
Inspector Comments: Downed tree limbs on waterside slope.					

Photo 1 of 1 : richard_s_20140320_050.jpg



Looking northwest at downed tree on waterside slope.

LM Start	2.01	Rating **	M	Issue No.	16
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability				o
					o
DWR ID	DWR_RD0404_01_f _ 2013_16				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Slope damage due to foot traffic.					

Photo 1 of 2 : richard_s_20140320_042.jpg



Looking southwest at slope damage due to foot traffic.

LM Start	2.01	Rating **	M	Issue No.	16 (cont)
LM End	2.01	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : richard_s_20140320_043.jpg



Looking west at slope damage due to foot traffic.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	04/01/2014 04/01/2014	Richard Willoughby

LM Start	2.08	Rating **	A/W	Issue No.	13
LM End	2.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				°
					°
DWR ID	DWR_RD0404_01_f_2012_13				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.34	Rating **	M	Issue No.	23
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.920488 °	37.920488 °
				-121.318630 °	-121.318630 °
DWR ID	DWR_RD0404_01_s_2013_23				
Action/Comments					
Inspector Comments: Remove rebar from existing concrete rip rap on waterward slope.					

Photo 1 of 1 : richard_s_20140320_049.jpg



Looking southwest at concrete rip rap with rebar.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 02 French Camp Slough			Right	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/01/2014 - 04/01/2014			
DWR Inspector	Richard Willoughby			
Accompanied By	Bob Winter KSN			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			0.000000 °	0.000000 °
				0.000000 °	0.000000 °
DWR ID	DWR_RD0404_02_s_2014_5				
Action/Comments					
Inspector Comments: FS_ID:10947					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments:					
FIELD_STRUCT_DESC: 12-inch pipe, 5 feet below the levee crown.					
Date of O&M: March 1963. O&M #: SJR 001					
FS Date: 3/27/2013					

No Photos

LM Start	0.00	Rating **	M	Issue No.	21
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.920291 °	37.917289 °
				-121.318276 °	-121.291751 °
DWR ID	DWR_RD0404_02_s_2014_21				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	22
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.920290 °	37.917289 °
				-121.318276 °	-121.291751 °
DWR ID	DWR_RD0404_02_s_2014_22				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	7
LM End	1.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.920308 °	37.917383 °
				-121.318308 °	-121.292062 °
DWR ID	DWR_RD0404_02_s _ 2012_7				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comments: Several pot holes noticed on the crown.					

No Photos

LM Start	0.11	Rating **	M	Issue No.	75
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.919207 °	37.919207 °
				-121.316852 °	-121.316852 °
DWR ID	DWR_RD0404_02_s _ 2012_75				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : richard_s_20140320_096.jpg



Looking west at waterside slope erosion.

LM Start	0.12	Rating **	N	Issue No.	74
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.919090 °	37.918753 °
				-121.316733 °	-121.316440 °
DWR ID	DWR_RD0404_02_s _ 2012_74				
Action/Comments					
Tree stumps.					
Inspector Comments: Remove three dead trees on waterside slope and toe.					

Photo 1 of 2 : richard_s_20140320_094.jpg



Looking northwest at dead trees on waterside slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.12	Rating **	N	Issue No.	74 (cont)
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.919090 °	37.918753 °
				-121.316733 °	-121.316440 °
DWR ID	DWR_RD0404_02_s _ 2012_74				
Action/Comments					
Tree stumps.					
Inspector Comments: Remove three dead trees on waterside slope and toe.					

Photo 2 of 2 : richard_s_20140320_095.jpg



Looking southwest at dead trees on waterside slope.

LM Start	0.19	Rating **	A/W	Issue No.	3
LM End	0.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.919543 °	37.918935 °
				-121.311432 °	-121.313335 °
DWR ID	DWR_RD0404_02_s _ 2012_3				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.23	Rating **	A/W	Issue No.	73
LM End	0.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.918217 °	37.918217 °
				-121.315232 °	-121.315232 °
DWR ID	DWR_RD0404_02_s _ 2012_73				
Action/Comments					
Prunings					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.24	Rating **	M	Issue No.	2	
LM End	0.24	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments				°	°
					°	°
DWR ID	DWR_RD0404_02_f_2013_2					
Action/Comments						
Tree or limb						
Inspector Comments: Broken tree limb on waterward slope.and sofe						

Photo 1 of 1 : richard_s_20140320_070.jpg



Looking northwest at broken tree limb on waterward shoulder and slope.

LM Start	0.29	Rating **	U	Issue No.	72
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.918447 °	37.918693 °
				-121.314213 °	-121.313780 °
DWR ID	DWR_RD0404_02_s_2012_72				
Action/Comments					
Tree stumps.					
Inspector Comments: Remove several dead trees on waterside slope and toe.					

Photo 1 of 1 : richard_s_20140320_093.jpg



Looking east at dead tree on waterside slope.

LM Start	0.36	Rating **	U	Issue No.	71
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.919025 °	37.919025 °
				-121.313245 °	-121.313245 °
DWR ID	DWR_RD0404_02_s_2012_71				
Action/Comments					
Tree stumps.					
Inspector Comments: Remove dead tree on waterside slope					

Photo 1 of 1 : richard_s_20140320_092.jpg



Looking northwest at dead tree on waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.41	Rating **	U	Issue No.	70
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.919425 °	37.919508 °
				-121.312400 °	-121.311965 °
DWR ID	DWR_RD0404_02_s _ 2012_70				
Action/Comments					
Tree stumps. Inspector Comments: Remove dead trees on waterside slope.					

Photo 1 of 1 : richard_s_20140320_091.jpg



Looking south at dead tree on waterward slope.

LM Start	0.48	Rating **	A/W	Issue No.	8
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.919525 °	37.919525 °
				-121.311193 °	-121.311193 °
DWR ID	DWR_RD0404_02_s _ 2012_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.48	Rating **	M	Issue No.	69
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.919588 °	37.919588 °
				-121.311193 °	-121.311193 °
DWR ID	DWR_RD0404_02_s _ 2012_69				
Action/Comments					
Tree or limb					
Inspector Comments: Remove dead tree and tree limbs on waterward slope.					

Photo 1 of 2 : richard_s_20140320_089.jpg



Looking southeast at downed tree limb on waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.48	Rating **	M	Issue No.	69 (cont)
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.919588 °	37.919588 °
				-121.311193 °	-121.311193 °
DWR ID	DWR_RD0404_02_s_2012_69				
Action/Comments					
Tree or limb Inspector Comments: Remove dead tree and tree limbs on waterward slope.					

Photo 2 of 2 : richard_s_20140320_090.jpg



Looking south at dead tree on waterward slope.

LM Start	0.51	Rating **	M	Issue No.	12
LM End	1.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.919528 °	37.919528 °
				-121.310635 °	-121.310635 °
DWR ID	DWR_RD0404_02_f_2012_12				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.73	Rating **	M	Issue No.	15
LM End	0.73	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.919336 °	37.919336 °
				-121.306782 °	-121.306782 °
DWR ID	DWR_RD0404_02_s_2014_15				
Action/Comments					
Inspector Comments: FS_ID:10908					
EP_NO: 3340A					
Repair Type:					
Crossing Status:					
UCIP Comments: - Not working for 5 years- Golf club staffWooden					
Walkway; Concrete stepsDamaged siphon breaker					
FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.0 feet below					
the crown. Pump on pile structure in stream. Shut-off valve and siphon					
breaker on the waterward shoulder. Timber walkway on the waterward					
slope. One CM cutoff wall. (Permit No. 3340A)					
FS Date: 3/27/2013					

Photo 1 of 1 : UCIP_393.jpg



WS- pump on steel structure and wooden walkway

LM Start	0.73	Rating **	M	Issue No.	17
LM End	0.73	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.919308 °	37.919308 °
				-121.306714 °	-121.306714 °
DWR ID	DWR_RD0404_02_s_2014_17				
Action/Comments					
Inspector Comments: FS_ID:10945					
EP_NO: 4448					
Repair Type:					
Crossing Status:					
UCIP Comments: Concrete stairway on waterward slope- Not found.					
Pump was working during field survey. Siphon breaker cap missing.					
FIELD_STRUCT_DESC: 18-inch pipe through the levee, 9.3 feet below the crown, pump on the landward side. Siphon breaker in concrete well on the waterward shoulder. Two CM cutoff walls. (Permit No. 4448)					
FS Date: 3/27/2013					

Photo 1 of 1 : UCIP_409.jpg



LS- pumping plant behind the fence.

* Location		** Rating		+ Issue Type	
LS : Land Side		A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.74	Rating **	A/W	Issue No.	58
LM End	0.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.919178 °	37.919178 °
				-121.306468 °	-121.306468 °
DWR ID	DWR_RD0404_02_s _ 2012_58				
Action/Comments					
Prunings					

No Photos

LM Start	0.80	Rating **	A/W	Issue No.	57
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.918695 °	37.918695 °
				-121.305935 °	-121.305935 °
DWR ID	DWR_RD0404_02_s _ 2012_57				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Remove dead trees from waterside shoulder and slope.					

No Photos

LM Start	0.82	Rating **	A/W	Issue No.	4
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.918320 °	37.917162 °
				-121.305740 °	-121.305285 °
DWR ID	DWR_RD0404_02_s _ 2012_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	0.89	Rating **	N	Issue No.	68
LM End	0.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.917280 °	37.917280 °
				-121.305365 °	-121.305365 °
DWR ID	DWR_RD0404_02_s _ 2012_68				
Action/Comments					
Tree stumps. Inspector Comments: Remove dead tree on waterside shoulder and slope.					

Photo 1 of 1 : richard_s_20140320_088.jpg



Looking northwest at dead tree on waterside slope.

LM Start	1.13	Rating **	M	Issue No.	66
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.916340 °	37.916340 °
				-121.301898 °	-121.301898 °
DWR ID	DWR_RD0404_02_s _ 2012_66				
Action/Comments					
Equipment Inspector Comments: Abandoned pump stand in channel and 3-4" steel pipe below flood elevation should be removed.					

Photo 1 of 4 : richard_s_20140320_082.jpg



Looking southwest at wooden pump stand in channel.

LM Start	1.13	Rating **	M	Issue No.	66 (cont)
LM End	1.13	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : richard_s_20140320_083.jpg



Looking south at 4-6" pipe on waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.13	Rating **	M	Issue No.	66 (cont)	
LM End	1.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.916340 °	37.916340 °	
				-121.301898 °	-121.301898 °	
DWR ID	DWR_RD0404_02_s _ 2012_66					
Action/Comments						
Equipment						

Photo 3 of 4 : richard_s_20140403_506.jpg



Looking southwest at repaired site.

LM Start	1.13	Rating **	M	Issue No.	66 (cont)
LM End	1.13	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : richard_s_20140403_507.jpg



Looking north at repaired site.

LM Start	1.13	Rating **	A/W	Issue No.	11
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.916347 °	37.916497 °
				-121.301887 °	-121.301095 °
DWR ID	DWR_RD0404_02_s _ 2012_11				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.13	Rating **	M	Issue No.	67
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.916337 °	37.916337 °
				-121.301888 °	-121.301888 °
DWR ID	DWR_RD0404_02_s _ 2012_67				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Dense vegetation around propane tank inside fenced area.					

Photo 1 of 4 : richard_s_20140320_084.jpg



Looking northeast at dense vegetation inside fenced area near pump station on landside toe.

LM Start	1.13	Rating **	M	Issue No.	67 (cont)
LM End	1.13	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : richard_s_20140320_085.jpg



Looking east at dense vegetation near pump station on landside toe.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.13	Rating **	M	Issue No.	67 (cont)	
LM End	1.13	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.916337 °	37.916337 °	
				-121.301888 °	-121.301888 °	
DWR ID	DWR_RD0404_02_s_2012_67					
Action/Comments						
Trim and thin trees to allow visibility of the ground and room to flood						

Photo 3 of 4 : richard_s_20140320_086.jpg



Looking northeast at dense vegetation on landward toe. (Spring 2013)

LM Start	1.13	Rating **	M	Issue No.	67 (cont)
LM End	1.13	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : richard_s_20140320_087.jpg



Looking north at dense vegetation on landward toe around propane tank.

LM Start	1.15	Rating **	M	Issue No.	13
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving				°
					°
DWR ID	DWR_RD0404_02_f_2013_13				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : richard_s_20140320_074.jpg



Looking southeast at dumpster and landside erosion on landward toe.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.17	Rating **	A/W	Issue No.	16
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.916520 °	37.916520 °
				-121.301022 °	-121.301022 °
DWR ID	DWR_RD0404_02_s _ 2013_16				
Action/Comments					
Tree or limb					
Inspector Comments: Broken limb on landward slope.					

No Photos

LM Start	1.18	Rating **	A/W	Issue No.	65
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.916472 °	37.916472 °
				-121.301188 °	-121.301188 °
DWR ID	DWR_RD0404_02_s _ 2012_65				
Action/Comments					
Prunings					
Inspector Comments: Prunings on landward shoulder.					

No Photos

LM Start	1.23	Rating **	N	Issue No.	63
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.917035 °	37.917035 °
				-121.300418 °	-121.300418 °
DWR ID	DWR_RD0404_02_s _ 2012_63				
Action/Comments					
Tree stumps.					
Inspector Comments: Dead tree on waterside slope.					

Photo 1 of 1 : richard_s_20140320_081.jpg



Looking southwest at several dead trees on waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.23	Rating **	A/W	Issue No.	64
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.917042 °	37.917042 °
				-121.300400 °	-121.300400 °
DWR ID	DWR_RD0404_02_s _ 2012_64				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes on waterside shoulder and slope. District grouting holes.					

No Photos

LM Start	1.35	Rating **	M	Issue No.	10
LM End	1.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.918214 °	37.918214 °
				-121.298656 °	-121.298656 °
DWR ID	DWR_RD0404_02_f _ 2012_10				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.44	Rating **	N	Issue No.	62
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.918433 °	37.918433 °
				-121.297213 °	-121.297213 °
DWR ID	DWR_RD0404_02_s _ 2012_62				
Action/Comments					
Tree stumps. Inspector Comments: Dead tree on waterside slope should be removed.					

Photo 1 of 1 : richard_s_20140320_080.jpg



Looking east at dead tree on waterside slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.47	Rating **	M	Issue No.	6
LM End	1.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.918440 °	37.918517 °
				-121.296707 °	-121.295763 °
DWR ID	DWR_RD0404_02_s _ 2012_6				
Action/Comments					
Fence Inspector Comments: District or Landowner has removed fencing, but still need to remove fence poles.					

Photo 1 of 2 : richard_s_20140320_071.jpg



Fence at landside shoulder from LM 1.47 to 1.52

LM Start	1.47	Rating **	M	Issue No.	6 (cont)
LM End	1.52	Issue Type +	En	Location *	LS

Photo 2 of 2 : richard_s_20140320_072.jpg



Looking northeast at fence poles on landside shoulder.

LM Start	1.47	Rating **	A/W	Issue No.	1
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.918490 °	37.918518 °
				-121.296650 °	-121.295690 °
DWR ID	DWR_RD0404_02_s_2012_1				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : richard_s_20140320_068.jpg



Looking south at one of several foot traffic erosion on waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.47	Rating **	A/W	Issue No.	1 (cont)
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.918490 °	37.918518 °
				-121.296650 °	-121.295690 °
DWR ID	DWR_RD0404_02_s _ 2012_1				
Action/Comments					
Repair slope instability. Inspector Comments: There are several foot traffic erosion sites along the waterside slope.					

Photo 2 of 2 : richard_s_20140320_069.jpg



Looking southeast at repaired sites on waterward slope.

LM Start	1.51	Rating **	M	Issue No.	61
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.918535 °	37.918535 °
				-121.295980 °	-121.295980 °
DWR ID	DWR_RD0404_02_s _ 2012_61				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.53	Rating **	A/W	Issue No.	9
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.918529 °	37.918529 °
				-121.295684 °	-121.295684 °
DWR ID	DWR_RD0404_02_f _ 2012_9				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

Photo 1 of 1 : richard_s_20140320_073.jpg



Looking east at repaired site on waterward slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.55	Rating **	C	Issue No.	60
LM End	1.55	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.918397 °	37.918397 °
				-121.295110 °	-121.295110 °
DWR ID	DWR_RD0404_02_s _ 2012_60				
Action/Comments					
Equipment					
Inspector Comments: Abandoned pump stand in channel should be removed and 3" galvanized pipe on waterside slope. Pipe was dug out by unknown person. Left major trench (hole) on waterside slope. Trench (hole) should be replaced before flood season. Three inch pipe has been removed and trench backfilled.					

No Photos

LM Start	1.56	Rating **	M	Issue No.	18
LM End	1.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.918410 °	37.918410 °
				-121.295128 °	-121.295128 °
DWR ID	DWR_RD0404_02_s _ 2014_18				
Action/Comments					
Inspector Comments: FS_ID:10853					

Photo 1 of 1 : UCIP_387.jpg



WS- soil erosion and gully formation due to leaky pipe

LM Start	1.76	Rating **	A/W	Issue No.	59
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.917302 °	37.917302 °
				-121.291778 °	-121.291778 °
DWR ID	DWR_RD0404_02_s _ 2012_59				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : richard_s_20140320_076.jpg



Looking west at overhanging tree on waterside slope.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.76	Rating **	C	Issue No.	14
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD0404_02_f_2013_14				
Action/Comments					
Garbage					
Inspector Comments: Garbage on waterward slope.					

No Photos

LM Start	1.76	Rating **	M	Issue No.	19
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.917284 °	37.917284 °
				-121.291740 °	-121.291740 °
DWR ID	DWR_RD0404_02_s_2014_19				
Action/Comments					
Inspector Comments: FS_ID:10846					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Only a 7 ft x 14 ft concrete vault found on L. Needs a sign post.					
FIELD_STRUCT_DESC: 1 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel.					
FS Date: 3/27/2013					

Photo 1 of 1 : UCIP_384.jpg



LS- 7' x 14' concrete vault.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	04/01/2014 04/01/2014	Richard Willoughby

LM Start	1.76	Rating **	M	Issue No.	20
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.917284 °	37.917284 °
				-121.291740 °	-121.291740 °
DWR ID	DWR_RD0404_02_s _ 2014_20				
Action/Comments					
Inspector Comments: FS_ID:12426					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Only a 7 ft x 14 ft concrete vault found on L. Needs a sign post. Bob Winter from KSN (representative of RD 404) will investigate on this crossing.					
FIELD_STRUCT_DESC: 2 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel.					
FS Date: 3/27/2013					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement